

Order 8824

Flu

Ship

19 Sept

UUCU

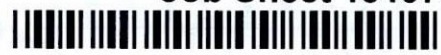


Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

005090

D350-822-013
Job Sheet 181970



Part No: D350-822-013

Job Qty: 3 ea

Part Name: PA100 PUREair System for AS350/EC130 - Provisions



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/14/18

Job Tracking No:

Due Date: 9/19/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D350-822 REV.H IPP REV:A 16.09.01 NEW ISSUE DD VERF:JFS IPP Rev.B 17.07.11 As per IIN Rev.G
DP Verify DD IPP REV:C 18.07.11 AS PER IIN REV.H DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	3 Ea	9/19/18	9/19/18	0.00	0.00	Start Up Stores/Pkg-1		AUG 22 2018
110	Packaging	3 pcs	9/19/18	9/19/18	0.00	0.00	Packaging1-4		SEP 17 2018
120	QC	3 pcs	9/19/18	9/19/18	0.00	0.00	QC4		SEP 17 2018
130	Packaging	3 pcs	9/19/18	9/19/18	0.00	0.00	Packaging3-1		SEP 17 2018
135	DC	3 pcs	9/19/18	9/19/18	0.00	0.00	DC		SEP 17 2018
140	QC21-FG	3 Ea	9/19/18	9/19/18	0.00	0.00	QC21		SEP 17 2018

Part Op 130 - Identify and pack for shipping as per PPP D350-822-013

Descriptions: 135 - Photocopy bluefile & type labels per PPP D350-822-013 CHG003

Job BOM

Part Item	Component Name	Quantity	Operation	Container
23350CA050	Washer	6 Ea (2 ea)	90-Start up Operation	3013736
650.0401	Pureair Faining Assembly	3 Ea (1 ea)	90-Start up Operation	5042254X1 505804X1
8411999090	Gasket - P/N 9752100180	3 pcs (1 ea)	90-Start up Operation	5050837
9945000120	Gasket (for B3e models)	3 pcs (1 ea)	90-Start up Operation	5048154
AN821-12J	Elbow (or AN821-12K or 12S)	6 Ea (2 ea)	90-Start up Operation	5054890
AN929-12J	Cap	3 Ea (1 ea)	90-Start up Operation	5052425
D4925-041	Mounting Plate Assembly	3 Ea (1 ea)	90-Start up Operation	5047449
D4931-1	Engine Fitting (for acft models B2 & previous)	3 Ea (1 ea)	90-Start up Operation	5043549
D4931-3	Engine Fitting (For B3 Models)	3 Ea (1 ea)	90-Start up Operation	5047934
D4931-5	Engine Fitting (for B3e models)	3 Ea (1 ea)	90-Start up Operation	5047643
D4935-1	Mounting Bracket	18 Ea (6 ea)	90-Start up Operation	5057126
D4943-1	Flex Hose	3 Ea (1 ea)	90-Start up Operation	5072110
D4961-041	Tube Assembly	3 Ea (1 ea)	90-Start up Operation	5055404
D4961-043	Tube Assembly	3 Ea (1 ea)	90-Start up Operation	5110094
D5079-1	Placard, Eaps	6 Ea (2 ea)	90-Start up Operation	5046277
D5090-041	Duct Assembly	3 Ea (1 ea)	90-Start up Operation	5060005
D5105-1	Handle	6 Ea (2 ea)	90-Start up Operation	5047676
D5110-1	Swivel Nut Fitting	3 Ea (1 ea)	90-Start up Operation	5047765
D5179-1	Doubler	6 Ea (2 ea)	90-Start up Operation	5048925
D5179-3	Doubler	6 Ea (2 ea)	90-Start up Operation	5048921
D5194-1	Doubler	6 Ea (2 ea)	90-Start up Operation	5051509
D5208-041	Blanking Plate Assembly	9 Ea (3 ea)	90-Start up Operation	5060044X8 5103842X1X

QA Closed Date:

WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only



Work Order: _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No. _____	Rework	☐	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐
NCR No. _____	Scrap	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐
	Use-as-is	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
	Suspected Unapproved	☐	Large Fab	☐	Composite	☐	Supplier	☐		☐

Date :	Step #:	QTY Effective :	Part Job Serial Revised Inspe Exp D Instru Cont: Barcode Approval Signature
--------	---------	-----------------	---

Description Work Order Deviation	Disposition

DART
 AEROSPACE
 Order No: S110739
 : D350-822-013
 No: 181970
 al No/Batch: S110739
 ion: H
 ate:
 ictor:
 ections: TC STC SH14-14-Issue 2, FAA, STC SR03538

By _____
 Supervisor
 cation

Dart Aerospace Ltd.
 1273 Aberdeen Street
 Hawkebury, ON K6A 1K7
 CANADA
 TEL.: 613 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

Root Cause			FAULT CATEGORY		
Environment	No Re-verification	Pressure/Forced	Temperature/Cure	Pov	ong
Design	Operator	Bending	Set-up	Fol	sions
Doc/Data	Offset/Setup	Centre Not Concentric	BOM/Route	Gr	eran
Equip/Tooling	Supplier	Cracks	Broken/Damage/Defect	We	Part incorrect
Handling/Pre	Training	Crimp/Kink/Ripple/Wave	Inspection Incomplete/Unqualified	Wrong Stock Pulled	Part Lost/Missing
Material	Use for Testing	Cuffs	Contamination	Out of Sequence	Part Moved
Internal Transport	Poor Information	Crushing	Countersink	Off-set	Drawing
Tribal Knowledge	Rushing	Heat Treat	Cut Too Short	Mislabeled	Finish
LOA	Product Improvement	Wave/Twist in Tube	Instructions Incomplete/Unclear	Fit/Function	Misread
Substation	Process Improvement	Marks/Chatter	Drill Holes	Misaligned/off center	Turning Sequence
Past Expiry Date	Manufacturing Process				
Misidentified	Past Due	OTHER :			

Approval _____
By _____
Service _____
ation _____
Director _____

DART
AEROSPACE

Container No: S110739

Part: D350-822-013
Job No: 181970
Serial No/Batch: S110739
Revision: H
Inspector:
Exp Date:
Instructions: TC STC SH14-14-Issue 2, FAA/STC SR03538NY 15/09/22, EASA

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CANADA
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Email: sales@dartero.com
www.darterospac.com

LN9038-05012	Bolt	108 pcs (36 ea)	90-Start up Operation	3048585
LN9038-05040	Bolt	3 pcs (1 ea)	90-Start up Operation	FM1362100
LN9348-05	Nut	96 pcs (32 ea)	90-Start up Operation	3074902
MS20470AD3-4	Rivet, Universal Head	54 Ea (18 ea)	90-Start up Operation	FM1366165-40
MS21919WCH12	Clamp	3 Ea (1 ea)	90-Start up Operation	3014744
MS9592-138	Bracket	3 pcs (1 ea)	90-Start up Operation	3014155
NAS1149D0332J	Washer	210 Ea (70 ea)	90-Start up Operation	3035396
NAS43DD3-64	Spacer	3 Ea (1 ea)	90-Start up Operation	3050057
22208CM050016E	Screw	6 pcs (2 ea)	90-Start up Operation	FM138012
9945000160	Gasket	3 Ea (1 ea)	90-Start up Operation	3050821
D5526-1	Upper Hose Protector	3 Ea (1 ea)	90-Start up Operation	3053555X1
D5526-3	Lower Hose Protector	3 Ea (1 ea)	90-Start up Operation	3109112
LN9038-05016	Bolt	6 pcs (2 ea)	90-Start up Operation	FM133469
				FM132462

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22208CM050016E	6	28	0
	23350CA050	6	38	0
	650.0401	3	10	0
	8411999090	3	8	0
	9945000120	3	6	0
	9945000160	3	3	0
	AN821-12J	6	21	0
	AN929-12J	3	12	0
	D4925-041	3	13	0
	D4931-1	3	21	0
	D4931-3	3	5	0
	D4931-5	3	6	0
	D4935-1	18	24	0
	D4943-1	3	22	0
	D4961-041	3	11	0
	D4961-043	3	0	0
	D5079-1	6	20	0
	D5090-041	3	3	0
	D5105-1	6	8	0
	D5110-1	3	20	0
	D5179-1	6	19	0
	D5179-3	6	34	0
	D5194-1	6	9	0
	D5208-041	9	8	0
	D5526-1	3	1	0
	D5526-3	3	0	0
	LN9038-05012	108	208	0
	LN9038-05016	6	50	0
	LN9038-05040	3	30	0
	LN9348-05	96	156	0
	MS20470AD3-4	54	6,641	0
	MS21919WCH12	3	15	0
	MS9592-138	3	21	0
	NAS1149D0332J	210	2,779	0
	NAS43DD3-64	3	20	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																													
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			Lead hand / Supervisor Approval Verification																																																																												
			QC / QA Coordinator Approval																																																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left;">Root Cause</th> <th colspan="3" style="text-align: left;">FAULT CATEGORY</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Environment ☐</td> <td style="width: 15%;">No Re-verification ☐</td> <td style="width: 15%;">Pressure/Forced ☐</td> <td style="width: 15%;">Temperature/Cure ☐</td> <td style="width: 15%;">Power Loss/Surge ☐</td> <td style="width: 15%;">Positioned Wrong ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td>Bending ☐</td> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td>Centre Not Concentric ☐</td> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Cracks ☐</td> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Cuffs ☐</td> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Crushing ☐</td> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td colspan="4" rowspan="2" style="vertical-align: top;">OTHER : _____</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> </tr> </tbody> </table>						Root Cause			FAULT CATEGORY			Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____				Misidentified ☐	Past Due ☐
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Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
005090	S104062	22208CM050016E	Screw	fm138012	ST577	6
005090	S104066	23350CA050	Washer	s013736	ST577	6
005090	F155151	650.0401	Pureair Fairing Assembly		FG105	1
005090	S042254	650.0401	Pureair Fairing Assembly	S042237	FG105	1
005090	S058011	650.0401	Pureair Fairing Assembly	S057992	FG106	1
005090	S104250	8411999090	Gasket - P/N 9752100180	s050837	ST586	3
005090	S104252	9945000120	Gasket (for B3e models)	s048154	ST589	3
005090	S050821	9945000160	Gasket		ST589	3
005090	S104255	AN821-12J	Elbow (or AN821-12K or 12S)	s054890	ST324	6
005090	S104256	AN929-12J	Cap	s057425	ST322	3
005090	S104168	D4925-041	Mounting Plate Assembly	s067449	ST218	3
005090	S104159	D4931-1	Engine Fitting (for acft models B2 & previous)	S043549	ST127	3
005090	S104161	D4931-3	Engine Fitting (For B3 Models)	s047934	ST127	3
005090	S104162	D4931-5	Engine Fitting (for B3e models)	s047643	ST127	3
005090	S104139	D4935-1	Mounting Bracket	s057126	ST128	18
005090	S104137	D4943-1	Flex Hose	s072110	ST220B	3
005090	S104135	D4961-041	Tube Assembly	s055404	ST129	3
005090	S104134	D5079-1	Placard, Eaps	s046377	ST137	6
005090	S060605	D5090-041	Duct Assembly	S060597	ST222B	3
005090	S104133	D5105-1	Handle	s047676	ST141	6
005090	S104132	D5110-1	Swivel Nut Fitting	s047765	ST142	3
005090	S104131	D5179-1	Doubler	s048935	ST220	6
005090	S104128	D5179-3	Doubler	s048931	ST220	6
005090	S104127	D5194-1	Doubler	s051509	ST220	6
005090	S066044	D5208-041	Blanking Plate Assembly	S066042	ST147	8
005090	S057355	D5526-1	Upper Hose Protector	S057350	ST167	1
005090	S104126	LN9038-05012	Bolt	s048585	ST565	108
005090	S104056	LN9038-05016	Bolt	fm132469	ST565	6
005090	S104105	LN9038-05040	Bolt	fm136260	ST565	3
005090	S104100	LN9348-05	Nut	s074902	ST565	96
005090	S104088	MS20470AD3-4	Rivet, Universal Head	fm136665-40	ST310	54
005090	S104071	MS21919WCH12	Clamp	s014744	ST291	3
005090	S104085	MS9592-138	Bracket	s014155	ST267	3
005090	S104044	NAS1149D0332J	Washer	s035396	ST264	210
005090	S104045	NAS43DD3-64	Spacer	S050057	ST550	3

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

Plex 8/23/18 7:15 AM Dart.joly:jocelyne

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

Change Record

PAGE 1 OF 1

Part Number: D350-822-013Description: PA100 PUREAIR PROVISIONS[illegible]